



CURRENT FISHERIES STATISTICS NO. 8001

Canned Fishery Products, ANNUAL SUMMARY 1979

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Source of data:—Since 1921, the National Marine Fisheries Service of the National Oceanic and Atmospheric Administration and its predecessor organizations have made annual surveys for statistics on the domestic production of canned fishery products. The data collected include statistics on the production and value of each canned commodity by can size and trade classification. The value shown for the products constitutes the gross amount received by the producer at the production point; no deductions are made for commissions or expenses. Statistics on the Alaska canned pack were furnished by the Alaska Department of Fish and Game.

October 28, 1980

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REVIEW

The 1979 pack of canned fishery products in the 50 States, American Samoa, and Puerto Rico was 51.9 million standard cases (1.4 billion pounds) valued at \$1.8 billion -- decreases of 7.0 million standard cases (174.6 million pounds) and \$160.9 million compared with the 1978 pack. The 1979 pack included 41.9 million standard cases (961.1 million pounds) for human consumption and 10.0 million standard cases (479.8 million pounds) for bait and animal food. The packs of gefiltefish, Maine sardines, tuna specialties, smoked sturgeon, clam and clam products, clam specialties, lobster meat and lobsters specialties, and salmon eggs and herring minnows for bait increased in 1979, but all other packs of fish and shellfish products declined.

Salmon. The 1979 U.S. pack of Pacific salmon was slightly more than 3.1 million standard cases valued at a record \$275.2 million, a decrease of 296,100 standard cases (8.7 percent) but an increase of \$26.6 million compared with 1978. The Alaska pack of 3.1 million standard cases valued at \$269.8 million represented 98 percent of the quantity and value in 1979.

Pink salmon (1.9 million standard cases) made up 61 percent of the pack in 1979. Red (sockeye) salmon pack (1.0 million standard cases) remained at the same level as in 1978. Chum (keta), silver (coho), and chinook (king) salmon packs declined in 1979. Only 51,500 standard cases of salmon were packed in plants in Washington and Oregon in 1979, compared to the 13,700 standard cases packed in 1978.

Sardines. The pack of Maine sardines (sea herring) was 1.3 million standard cases valued at a record \$44.8 million in 1979 -- increases of 170,700 standard cases and \$9.2 million more than the pack in 1978. An additional pack of 71,600 standard cases valued at \$4.8 million was reported in 1979, compared to a pack of 95,000 standard cases, valued at \$5.8 million in 1978.

Tuna. The 1979 U.S. pack of tuna was 31.4 million standard cases, (620.2 million pounds) valued at \$1.1 billion. This was 4.2 million standard cases (84.6 million pounds) and \$169.4 million less than the record pack in 1978. The pack of Albacore (white meat) tuna was 5.8 million standard cases in 1979, 18 percent less than the 7.1 million standard cases produced in 1978. Light meat tuna (bigeye, bluefish, skipjack, and yellowfin) comprised the remaining 82 percent of the pack or 25.6 million standard cases. Plants in the continental United States packed 44 percent of the total; American Samoa, Hawaii, and Puerto Rico packed the rest. Approximately 32 percent of the total supply of canned tuna was packed from U.S. - caught fish, and 60 percent from imported fish. Imports of canned tuna made up the remaining 8 percent.

Clams. The U.S. pack of clams, (whole, minced, chowder, and juices) was 2.8 million standard cases, valued at \$61.1 million in 1979, an increase of 160,600 standard cases and \$926,000 million compared with 1978. The pack of whole and minced clams 728,500 standard cases represented 26 percent of the total pack, and was 68,500 standard cases more than the 1978 pack. Clam chowder and clam juice (2.1 million standard cases) made up the remaining 1979 pack.

Shrimp. The 1979 U.S. pack of shrimp (natural) was 1.4 million standard cases valued at \$40.0 million, 1.1 million standard cases and \$8.7 million less than the 1978 pack, and the lowest pack since 1961 when less than 1.4 million standard cases were packed. Plants in Louisiana and Mississippi packed 900,000 standard cases or 63 percent of the pack; the remaining 520,000 standard cases or 37 percent were packed in Alaska, Oregon, and Washington.

Other canned items. The U.S. pack of jack mackerel was 582,000 standard cases valued at \$7.7 million in 1979, a decline of 140,100 standard cases and \$2.1 million compared with 1978. The pack of (bonito and yellowtail) was 75,500 standard cases valued at \$1.6 million, down 104,900 standard cases, and \$2.2 million compared with a year earlier. The natural pack of oysters, which has declined over the past several years, was 64,400 standard cases valued at \$1.0 million in 1979, 21,300 standard cases and \$314,000 less than in 1978.

Canned pet food. In 1979, the pack of pet food (10 pounds of fish per standard case of 48 one-pound cans) was 10.0 million standard cases valued at \$146.8 million, a decline of 1.2 million standard cases and \$15.6 million compared with the 1978 pack. The pack of pet food from tuna was slightly less than 5.0 million standard cases in 1979 compared with 5.7 million standard cases a year earlier, and the smaller pet food pack reflects the decline in the canned tuna pack in 1979.

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SUMMARY OF PRODUCTION, BY PRODUCTS, 1979

Products	Plants		Production		
	Number	Pounds per case	Standard cases	Thousand pounds	Thousand dollars
For human consumption:					
Fish:					
Gefiltefish.	4	48	296,799	14,246	11,123
Herring and herring specialties	12	48	71,569	3,435	4,836
Mackerel, jack	4	45	582,026	26,191	7,690
Roe and caviar.	10	48	17,006	816	4,424
Salmon:					
Natural	73	48	3,126,384	150,066	275,184
Smoked	18	48	1,449	70	424
Pastes, and in sauces.	4	48	262	13	40
Sardines, Maine	14	23.4	1,297,830	30,369	44,818
Sturgeon, smoked.	6	48	468	22	139
Tuna:					
Solid	20	21	5,834,583	122,526	245,463
Chunks	16	19.5	24,989,518	487,296	842,615
Flakes and grated.	16	18	578,380	10,411	15,771
Total tuna.	(1) 21	-	31,402,481	620,233	1,103,849
Smoked, spreads, and with noodles	7	48	31,845	1,529	1,127
Tunafish (bonito and yellowtail)	5	21-19.5-18	75,533	1,491	1,574
Other fish specialties.	15	48	124,954	5,998	4,588
Total fish	-	-	37,028,606	854,479	1,459,816
Shellfish:					
Clams and clam products:					
Whole and minced	14	15	728,514	(2) 10,928	25,514
Chowder	13	30	1,703,865	(2) 51,116	32,632
Juice	9	30	351,388	(2) 10,542	2,970
Total	(1) 19	-	2,783,767	(2) 72,586	61,116
Specialties	6	48	111,275	5,341	5,544
Crabs:					
Natural	12	19.5	242,214	4,723	23,569
Specialties	4	48	6,599	317	345
Lobster meat and lobster specialties.	4	48	11,184	537	616
Oysters:					
Natural	3	7	64,351	(3) 450	1,023
Specialties	6	48	127,882	6,138	5,420
Shrimp:					
Natural	18	6.75	1,419,881	(3) 9,584	40,089
Specialties	7	48	24,793	1,190	940
Squid.	6	48	84,647	4,063	1,424
Other shellfish specialties.	8	48	35,952	1,726	1,945
Total shellfish	-	-	4,912,545	106,655	142,031
Total for human consumption	-	-	41,941,151	961,134	1,601,847
For animal food and bait:					
Animal food	26	48	9,988,203	479,434	146,828
Salmon eggs and herring minnows for bait.	7	48	6,882	330	3,488
Total for animal food and bait	33	48	9,995,085	479,764	150,316
Grand total	(1) 182	-	51,936,236	1,440,898	1,752,163

(1) Exclusive of duplication. (2) "Cut out" or "drained" weight of can contents is given for whole or minced clams, and net contents for other clam products. (3) Drained weight.

Note:--Data for Alaska are preliminary. Data for other States are final.

VALUE OF PRODUCTION BY STATE AND PLANT COUNT, 1979

State and number of plants	Standard cases	Thousand dollars
Maine (16)	2,169,882	70,581
Massachusetts (1) and Delaware (2)	1,049,148	22,916
New York (4)	108,485	4,776
New Jersey (12)	1,387,456	40,843
Pennsylvania (2) and Virginia (2)	271,415	5,754
North Carolina (3), South Carolina (2), and Florida (1)	112,731	5,653
Louisiana (10)	813,538	26,833
Mississippi (5)	3,526,202	27,159
Michigan (2) and Wisconsin (1)	4,104	97
Alaska (65)	3,704,992	295,818
California (11)	17,501,901	536,504
Oregon (7)	1,172,006	29,678
Washington (28)	486,740	16,658
Puerto Rico (5), American Samoa (2), and Hawaii (1)	19,627,636	668,893
Total (182)	51,936,236	1,752,163

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

Product	1941	1942	1943	1944 to 1947	1948 to 1951
----- Pounds per case -----					
Sardines:					
Maine	25	20.3	20.3	20.3	20.3
Pacific	48	45	45	45	45
Tuna and tunalike fishes:					
Solid	21	22.5	22.5	45	45
Chunks	-	-	-	(1)	(1)
Flakes	21	18	18	18	18
Mackerel	48	45	45	45	45
Alewives	48	48	45	45	45
Anchovies	48	48	48	48	48
Shad	48	48	48	45	45
Fish flakes	48	48	48	42	42
Oysters	15	15	22.5	22.5	14
Shrimp, wet pack	17.25	21	21	21	15
Clams products:					
Whole and minced	15	15	15	15	15
Juice, chowder, broth, et. al.	30	30	30	30	30
Crabs	39	39	39	39	19.5
All other	48	48	48	48	48
Product	1952	1953 to 1957	1958 to 1964	1965 to 1969	1970 to 1979
----- Pounds per case -----					
Sardines:					
Maine	20.3	20.3	23.4	23.4	23.4
Pacific	45	45	45	45	45
Tuna and tunalike fishes:					
Solid	21	21	21	21	21
Chunks	19.5	19.5	19.5	19.5	19.5
Flakes	18	18	18	18	18
Mackerel	45	45	45	45	45
Alewives	45	45	45	45	45
Anchovies	48	31.25	31.25	31.25	31.25
Shad	45	45	45	45	45
Fish flakes	42	48	48	48	48
Oysters	14	14	14	14	7
Shrimp, wet pack	15	15	15	6.75	6.75
Clam products:					
Whole and minced	15	15	15	15	15
Juice, chowder, broth, et. al.	30	30	30	30	30
Crabs	19.5	19.5	19.5	19.5	19.5
All other	48	48	48	48	48

(1) Prior to 1952 chunk pack tuna was included with the flake pack.

Note:--The factors listed above were used in converting standard cases reported in the "Canned Fishery Products" bulletins for the years indicated.

PACK OF SALMON, BY MONTHS, 1979

Species	Alaska		Washington	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Chinook or king	11,094	943	3,273	423
Chum or keta	143,279	10,029	345	28
Pink	1,862,100	145,244	35,125	2,958
Red or sockeye	1,026,816	110,896	10,511	1,702
Silver or coho	31,603	2,686	1,772	195
Total	3,074,892	269,798	51,026	5,306

Species	Oregon		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Chinook or king	(1) 466	(1) 80	14,833	1,446
Chum or keta	-	-	143,624	10,057
Pink	-	-	1,897,225	148,202
Red or sockeye	-	-	1,037,327	112,598
Silver or coho	(2)	(2)	33,375	2,881
Total	466	80	3,126,384	275,184

(1) Includes a small pack produced in California. (2) Included with the silver or coho pack in Washington.

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each containing 16 oz net weight. Salmon were canned in 55 plants in Alaska, 13 plants in Washington, 4 plants in Oregon, and 1 plant in California.

WASHINGTON AND OREGON SALMON PACK, BY DISTRICTS, 1979

Species	Puget Sound		Columbia River		Coastal		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Chinook or king . . .	2,414	329	1,058	153	267	21	3,739	503
Chum or keta	345	28	-	-	-	-	345	28
Pink	35,029	2,950	-	-	96	8	35,125	2,958
Red or sockeye	10,511	1,702	-	-	-	-	10,511	1,702
Silver or coho	1,127	118	476	53	169	24	1,772	195
Total	49,426	5,127	1,534	206	532	53	51,492	5,386

Note:-- "Standard cases" represent the various size cases converted to the equivalent of 48 cans case, each containing 16 oz net weight.

PUGET SOUND SALMON PACK, 1979

Species	Local fish	Alaskan fish	Total
		<u>Standard cases</u>	
Chinook or king	2,414	(1)	2,414
Chum or keta	345	(1)	345
Pink	35,029	(1)	35,029
Red or sockeye	10,511	-	10,511
Silver or coho	1,127	(1)	1,127
Total	49,426	(1)	49,426

(1) Included with local fish.

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the cases, each containing 16 oz net weight.

PACK OF MISCELLANEOUS SALMON PRODUCTS, 1979

Product	Standard cases	Thousand dollars	State and number of plants
Smoked	1,449	424	Alaska (7), Oregon (4), and Washington (7)
Pastes and in sauces	262	40	Michigan (1), Oregon (1), and Washington (2)
Total	1,711	464	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each containing 16 oz net weight.

PACK OF TUNA, 1979

Species	Continental United States		Hawaii, American Samoa, and Puerto Rico		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Albacore:						
Solid pack	865,820	35,877	3,627,568	158,064	4,493,388	193,941
Chunks	346,655	13,687	686,637	28,440	1,033,292	42,127
Flakes and grated	78,480	2,232	199,762	5,551	278,242	7,783
Total	1,290,955	51,796	4,513,967	192,055	5,804,922	243,851
Lightmeat:						
Solid pack	604,564	23,889	736,631	27,633	1,341,195	51,522
Chunks	11,805,895	397,397	12,150,331	403,091	23,956,226	800,488
Flakes and grated	204,780	5,145	95,358	2,843	300,138	7,988
Total	12,615,239	426,431	12,982,320	433,567	25,597,559	859,998
Grand total	13,906,194	478,227	17,496,287	625,622	31,402,481	1,103,849

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 No. ½ tuna cans to the case, each containing 7 oz net weight of solid pack, 6½ oz net weight of chunks, and 6 oz net weight of flakes or grated. The pack of dietetic tuna is included in the totals. Tuna were canned in 7 plants in California, 5 plants in Puerto Rico, 3 plants each in Oregon and Washington, 2 plants in American Samoa, and 1 plant in Hawaii.

PACK OF TUNA, BY CAN SIZE, 1979

Can size	Cans per case	Can size	Actual cases	Thousand dollars
4-pounds	12 cans	.603 x 408	880,698	76,741
1-pound	.48 cans	.401 x 205.25	4,638,283	170,235
½-pound	.48 cans	.307 x 113	21,753,147	727,889
¼-pound	.48 cans	.211 x 109	2,420,615	48,521
9¼-ounces	.24 cans	.303 x 212	1,333,345	28,213
Other sizes			(1) 1,315,114	52,250
Total			32,341,202	1,103,849

(1) Converted to standard cases, mostly 307 x 207.

PACK OF MISCELLANEOUS TUNA PRODUCTS, 1979

Product	Standard cases	Thousand dollars	State and number of plants
Smoked, spreads, in sauces, and with noodles	31,845	1,127	California (2), Maine (1), Oregon (1), Pennsylvania (1), and Washington (2)

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each containing 16 oz net weight.

PACK OF TUNALIKE FISH, 1979

Species	Standard cases	Thousand dollars
Bonito, and yellowtail, solid pack, chunk, flake and grated	75,533	1,574

Note:—"Standard cases" represent the equivalent of 48 No. ½ tuna cans to the case, each containing 7 oz net weight of solid pack, 6½ oz net weight of chunks, and 6 oz net weight of flakes or grated. Tunalike fish were canned in 5 plants in California.

PACK OF MAINE SARDINES, 1979

Style of pack	Standard cases	Thousand dollars
In soybean oil	1,043,112	36,258
In mustard sauce	197,468	6,744
In tomatoe sauce	30,380	878
With chili peppers	26,870	938
Total	1,297,830	44,818

Note:--"Standard cases" represent the various size cases converted to the uniform basis of 100 No. ¼ oil cans (3% oz net) to the case. Sardines were canned in 14 plants in Maine.

PACK OF MISCELLANEOUS HERRING PRODUCTS, 1979

Product	Standard cases	Thousand dollars	State and number of plants
Spreads and fish	71,569	4,836	Maine (12)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each containing 16 oz net weight.

PACK OF JACK MACKEREL, 1979

State and number of plants	Standard cases	Thousand pounds
California (4)	582,026	7,690

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each containing 15 oz net weight.

PACK OF ANIMAL FOOD FROM FISHERY PRODUCTS, 1979

Species, State, and number of plants	Standard cases	Thousand pounds
American Samoa (2), California (7), Hawaii (1), Oregon (1), and Puerto Rico (5)		
Total tuna (16)	4,963,084	99,940
New Jersey (1), Pennsylvania (1), Virginia (1), Mississippi (2), California (1), Oregon (1), Washington (2), and Michigan (1)		
Total unclassified (10)	5,025,119	46,888
Grand total (26)	9,988,203	146,828

Note:--Each standard case contains 10 or more pounds of fish. An additional pack of 2,067,457 standard cases valued at \$17,873,063 had less than 10 lb of fish per case, and is not included in the above pack. "Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each containing 16 oz net weight.

PACK OF FISH ROE AND CAVIAR, 1979

Product and number of plants	Standard cases	Thousand dollars	State and number of plants
Alewife roe (3)	3,158	123	North Carolina (2) and Virginia (1)
Shad roe (3)	300	60	Oregon (2) and Washington (1)
Whitefish caviar (3)	1,585	327	New Jersey (1), New York (1), and Wisconsin (1)
Herring roe (1), lumpfish caviar (2), salmon caviar (2), sturgeon caviar (2), and Unclassified roe (1)	11,963	3,914	New Jersey (2), New York (1), and Virginia (1)
Total exclusive of duplication (10) . . .	17,006	4,424	
Salmon eggs for bait (7) and herring minnows for bait (1)	6,882	3,488	Washington (7)
Grand total (17)	23,888	7,912	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF FISH ROE, CAVIAR, SALMON EGGS AND HERRING MINNOWS
FOR BAIT, BY STATES, 1979

State and number of plants	Standard cases	Thousand dollars
New Jersey (2), New York (1), and Wisconsin (1)	13,312	4,218
North Carolina (2) and Virginia (1)	3,394	146
Oregon (2) and Washington (8)	7,182	3,548
Total (17)	23,888	7,912

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF MISCELLANEOUS FISH PRODUCTS, 1979

Product	Standard cases	Thousand dollars	State and number of plants
Gefiltefish	296,799	11,123	New Jersey (3) and New York (1)
Shad, smoked	38	5	Oregon (1) and Washington (2)
Sturgeon, smoked	468	139	Oregon (2) and Washington (4)
Alewives, anchovies, catfish, cod, haddock, unclassified trout, wahoo, whitefish, and unclassified fish, all the foregoing in various styles including, natural packs, bites, cakes, chowders, dips, smoked, and stews	124,916	4,583	American Samoa (2), Maine (2), Michigan (1), New Jersey (2), Pennsylvania (1), South Carolina (1), Virginia (2), and Washington (1)
Total	422,221	15,850	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF CLAMS AND CLAM PRODUCTS, 1979

Species	Whole and minced		Chowder and juice		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Hard, ocean quahog, soft, surf, and razor.	728,514	25,514	2,055,253	35,602	2,783,767	61,116

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 No. 1 picnic cans, each can of whole or minced clams containing 5 oz of meat, drained weight, and each can of chowder, juice, broth, nectar, 10 oz net contents. The pack of clams in the shell is not included. Clams were canned in 6 plants in New Jersey, 4 plants in Washington, 2 plant each in Delaware, Maine, and New York, 1 plant each in Massachusetts, Pennsylvania, and South Carolina.

CLAM PRODUCTION, BY TYPE OF PACK, 1979

Production and number of plants	Standard cases	Thousand pounds	Thousand dollars
Whole (2) and minced (12)	728,514	10,928	25,514
Chowder (13)	1,703,865	51,116	32,632
Juice (9)	351,388	10,542	2,970
Total, exclusive of duplication (19) . .	2,783,767	72,586	61,116

PACK OF MISCELLANEOUS CLAM PRODUCTS, 1979

Product	Standard cases	Thousand dollars	State and number of plants
Bisques, dips, in shell, and in sauces.	111,275	5,544	Delaware (1), Maine (1), New Jersey (2), New York (1), and Washington (1)

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF CRAB MEAT, 1979

Species	Standard cases	Thousand dollars	State and number of plants
Blue, red, and rock	52,132	4,335	Maine (1), Mississippi (1), North Carolina (1), and South Carolina (1)
Dungeness, king, and snow	190,082	19,234	Washington (2) and Alaska (6)
Total.	242,214	23,569	

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 6½ oz net weight.

PACK OF CRAB SPECIALTIES, 1979

Product	Standard cases	Thousand dollars	State and number of plants
Bisques, deviled, dips, smoked, soups, spreads, and stews	6,599	345	Maine (1), New Jersey (1), South Carolina (1), and Washington (1)

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

NATURAL PACK OF OYSTERS, 1979

State and number of plants	Standard cases	Thousand dollars
Louisiana (1), Mississippi (1), South Carolina (1)	64,351	1,023

Note:--"Standard cases" represent the various size cases converted to the equivalent of 24 cans to the case, each can containing 4-2/3 oz net weight of oyster meats.

PACK OF OYSTER SPECIALTIES, 1979

Product	Standard cases	Thousand dollars	State and number of plants
Chowders, smoked, stews, and stew bases.	127,882	5,420	Maine (1), New Jersey (1), South Carolina (1), and Washington (3)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

NATURAL PACK OF SHRIMP, 1979

State and number of plants	Standard cases	Thousand dollars
Louisiana (10)	790,821	26,372
Mississippi (3)	109,170	3,776
Total (13)	899,991	30,148
Alaska (3), Oregon (1), and Washington (1)	519,890	9,941
Grand total (18)	1,419,881	40,089

Note:--"Standard cases" represent the various size cases converted to the equivalent of 24 cans to the case, each can containing 4½ oz of shrimp meats drained weight.

PACK OF MISCELLANEOUS SHRIMP PRODUCTS, 1979

Product	Standard cases	Thousand dollars	State and number of plants
Bisques, chowders, dips, pickled, sauces, and soup	24,793	940	Delaware (1), Maine (1), Michigan (1), New Jersey (2), Oregon (1), and South Carolina (1)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF MISCELLANEOUS SHELLFISH PRODUCTS, 1979

Product	Standard cases	Thousand dollars	State and number of plants
American lobster, deviled, dips, newburgs, spreads, pastes, mixes, meat, in sauces, bisques, and spiny lobster in sauces	11,184	616	Maine (1), New Jersey (2), and Michigan (1)
Squid	84,647	1,424	California (5) and New Jersey (1)
Conchs, mussels, turtles, and other shellfish, all the foregoing in various styles, including, natural packs, chowders, soups, stews, and in sauces	35,952	1,945	Florida (1), Louisiana (1), Maine (2), New Jersey (3), and South Carolina (1)
Total	131,783	3,985	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF CANNED FISHERY PRODUCTS, 1966-1979

Year	Alewives		Mackerel		Sardines, Maine	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1966.....	98,816	395	412,776	3,346	1,332,544	12,262
1967.....	109,929	506	282,958	2,363	1,250,441	13,862
1968.....	74,768	449	495,424	4,098	1,730,306	19,297
1969.....	62,260	368	385,646	3,317	1,042,806	11,512
1970.....	22,538	134	188,609	1,534	806,501	11,227
1971.....	45,497	378	367,043	3,076	950,821	10,856
1972.....	12,734	121	305,847	2,618	1,561,535	23,877
1973.....	1,635	18	63,365	540	995,056	15,688
1974.....	7,560	138	83,975	921	920,511	21,745
1975.....	4,390	86	216,411	2,614	1,111,468	24,917
1976.....	4,315	98	147,629	2,085	1,067,146	24,478
1977.....	(1)	(1)	686,445	11,869	1,004,108	27,205
1978.....	(1)	(1)	722,133	9,751	1,127,171	35,641
1979.....	(1)	(1)	582,026	7,690	1,297,830	44,818

Year	Washington and Oregon		Salmon Alaska		Total Salmon	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1966.....	367,090	15,526	3,990,425	120,547	4,357,515	136,075
1967.....	608,339	24,040	1,464,006	52,081	2,072,345	76,121
1968.....	209,717	8,634	3,237,982	109,381	3,447,699	118,015
1969.....	267,753	12,551	2,283,168	77,735	2,550,921	90,286
1970.....	257,692	14,096	3,564,508	124,577	3,822,200	138,673
1971.....	610,398	29,841	2,899,011	107,981	3,509,409	137,822
1972.....	298,678	15,115	1,635,867	72,255	1,934,545	87,370
1973.....	285,502	24,688	1,209,755	86,417	1,495,257	111,105
1974.....	485,718	38,145	1,343,254	98,860	1,828,972	137,005
1975.....	171,330	14,990	1,383,900	95,424	1,555,230	110,414
1976.....	141,368	14,573	2,517,202	190,745	2,658,570	205,318
1977.....	232,459	20,874	2,909,697	222,466	3,142,156	243,340
1978.....	13,686	1,293	3,408,800	247,260	3,422,486	248,553
1979.....	51,492	5,386	3,074,892	269,798	3,126,384	275,184

Year	Tuna		Tunalike fishes		Edible roe and caviar	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1966.....	19,953,567	270,239	229,014	1,829	47,994	3,437
1967.....	19,681,636	261,527	311,346	2,528	53,352	3,474
1968.....	20,011,690	268,731	214,716	1,837	42,160	4,470
1969.....	20,097,639	297,456	252,548	2,180	37,997	4,239
1970.....	22,063,340	380,574	139,541	1,450	23,457	4,096
1971.....	22,204,973	413,236	285,027	3,316	32,660	4,604
1972.....	31,210,102	633,313	336,795	4,150	26,587	2,974
1973.....	32,105,591	704,753	534,309	7,003	186,890	7,183
1974.....	33,363,933	823,893	393,522	5,726	22,202	3,893
1975.....	26,801,651	652,635	660,537	10,067	29,504	3,892
1976.....	30,304,489	853,463	163,355	2,941	17,344	3,515
1977.....	27,660,237	906,614	473,298	10,635	17,939	6,038
1978.....	35,635,201	1,273,260	180,429	3,737	20,638	4,139
1979.....	31,402,481	1,103,849	75,533	1,574	17,006	4,424

(Continued on next page)

PACK OF CANNED FISHERY PRODUCTS, 1966-1979 - Continued

Year	Clams products					
	Whole and minced		Chowder, juice, broth, et al.		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1966.....	586,915	7,254	2,003,032	13,871	2,619,947	21,125
1967.....	689,131	8,952	1,846,813	12,774	2,535,944	21,726
1968.....	507,752	6,726	1,807,132	13,718	2,314,884	20,444
1969.....	432,113	6,957	1,881,363	15,088	2,313,476	22,045
1970.....	580,239	10,242	1,892,974	15,419	2,473,213	25,661
1971.....	634,451	9,796	2,048,701	16,548	2,683,152	26,344
1972.....	703,819	9,274	2,161,426	17,989	2,865,245	27,263
1973.....	924,748	14,725	2,563,287	23,378	3,488,035	38,103
1974.....	886,658	16,949	2,499,206	26,157	3,385,864	43,106
1975.....	903,758	17,855	2,080,526	23,918	2,984,284	41,773
1976.....	517,180	14,815	1,888,859	24,483	2,406,039	39,298
1977.....	760,954	26,269	2,068,950	38,252	2,829,904	64,521
1978.....	659,999	25,383	1,963,146	34,807	2,623,145	60,190
1979.....	728,514	25,514	2,055,253	35,602	2,783,767	61,116

Year	Crabmeat, natural		Oysters, natural		Shrimp, natural	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1966.....	564,198	16,444	400,000	3,201	2,103,825	21,973
1967.....	497,782	16,117	660,374	6,152	2,496,427	24,332
1968.....	206,099	8,977	650,962	5,625	2,809,965	29,444
1969.....	257,784	14,331	285,696	2,164	3,071,021	27,730
1970.....	261,410	10,489	271,968	2,102	3,722,253	37,277
1971.....	164,770	7,029	483,812	4,814	3,310,385	33,648
1972.....	128,855	7,008	399,679	4,292	3,525,188	38,713
1973.....	190,949	13,833	294,054	3,688	3,737,424	55,234
1974.....	223,472	13,564	282,676	3,266	3,277,192	44,370
1975.....	168,369	10,078	343,084	4,065	1,838,062	27,650
1976.....	182,283	13,331	165,577	2,548	2,966,095	48,815
1977.....	257,055	19,340	146,735	2,687	3,633,345	71,336
1978.....	255,687	22,300	85,652	1,337	2,489,717	48,794
1979.....	242,214	23,569	64,351	1,023	1,419,881	40,089

Year	Other Edible fish and shellfish	Animal food		Eggs for bait		Total
	Thousand dollars	Standard cases	Thousand dollars	Standard cases	--Thousand dollars--	
1966.....	17,514	7,596,229	54,614	11,637	1,254	563,708
1967.....	17,002	10,397,898	78,256	11,542	1,597	525,563
1968.....	17,901	10,088,424	82,504	14,146	2,116	583,908
1969.....	17,431	9,402,632	80,618	12,907	1,856	575,533
1970.....	19,407	11,243,806	105,232	21,040	3,904	741,760
1971.....	21,115	10,666,923	101,511	12,009	2,848	770,597
1972.....	21,796	13,877,134	139,180	10,336	2,247	994,922
1973.....	39,154	14,496,561	167,308	10,884	3,550	1,167,160
1974.....	29,789	12,297,427	174,614	10,354	3,817	1,305,847
1975.....	26,623	12,149,662	147,826	11,805	4,427	1,067,067
1976.....	35,848	13,751,919	195,839	11,813	2,116	1,429,693
1977.....	40,949	10,672,247	165,686	(2) 8,641	(2) 4,469	1,574,689
1978.....	40,366	11,227,312	162,380	(2) 6,738	(2) 2,579	1,913,027
1979.....	38,511	9,988,203	146,828	(2) 6,882	(2) 3,488	1,752,163

(1) Included with other edible fish and shellfish. (2) Includes a small production of minnows for bait.

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